

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. - 24. (Canceled)

25. (Currently Amended) A fluctuation predicting device for time-sequence data, said device comprising:

holding/preserving means for holding/preserving theoretical models of correlation functions of fluctuations for a plurality of real time-sequence data;

acquiring means for acquiring sampling data by sampling a local portion of the real time-sequence data;

generating means for generating a real correlation function based on the sampling data;

selecting means for selecting one of the theoretical models ~~of the holding/preserving means~~ that best matches the real correlation function, ~~generated from the generating means~~ and judging one of the states regarding the real time-sequence data; and

indicating means for indicating a fluctuation of the real time-sequence data by using a relationship established between ~~a pair of~~ a first parameter and a second parameter ~~[[in]] of the selected one of the theoretical model[[s]] in the selection means;~~

wherein the theoretical model of the correlation function is generated based on the following:

~~the~~ real time-sequence data having an equilibrium point~~[[;]]~~ that ~~the~~
~~equilibrium point is provided based on value and~~ by multiplying the first parameter ~~[[to]]~~
by a recent change value of the real time-sequence data; and

a value of the real time-sequence data after a time Δt that is provided
~~based on a value provided by~~ multiplying the second parameter ~~[[to]]~~ by a difference
between a value of the real time-sequence data in a current time t and the equilibrium
point.

26. (Currently Amended) A fluctuation predicting method for time-
sequence data, said method comprising the steps of:

holding/preserving theoretical models of correlation functions of
fluctuations for a plurality of real time-sequence data;

acquiring sampling data by sampling a local portion of the real time-
sequence data;

generating a real correlation function based on the sampling data;

wherein the theoretical model of the correlation function is generated
based on the following:

selecting one of the theoretical models ~~of the holding/preserving step~~ that
matches the real correlation function ~~generated in the generating step~~, and judging one
of the states regarding the real time-sequence data; and

indicating a fluctuation of the real time-sequence data by using a
relationship established between ~~a pair of~~ a first parameter and a second parameter
~~[[in]]~~ of the selected ~~one of the~~ theoretical model~~[[s]]~~ ~~in the selection means~~;

wherein the theoretical model of the correlation function is generated based on the following:

~~the~~ real time-sequence data having an equilibrium point~~[[;]]~~ that ~~the~~
~~equilibrium point is provided based on value and~~ by multiplying the first parameter ~~[[to]]~~
by a recent change value of the real time-sequence data; and

a value of the real time-sequence data after a time Δt that is provided
~~based on a value provided by multiplying the second parameter [[to]]~~ by a difference
between a value of the real time-sequence data in a current time t and the equilibrium
point.

27. (Canceled)

28. (Currently Amended) The fluctuation predicting method of claim 26,
wherein the theoretical model of the correlation function is generated based on the
following:

a unique corresponding relationship established between the ~~pair of the~~
first parameter and the second parameter~~[[s]]~~ and the correlation function.

29. (Previously Presented) The fluctuation predicting method of claim 26,
wherein:

the real time-sequence data represents market price data of an open
market;

the equilibrium point represents virtual equilibrium prices;

the first parameter represents a reciprocal number of market instability of coefficients; and

the second parameter represents a price resilience coefficient.

30. (Currently Amended) A fluctuation predicting program for time-sequence data stored in a memory operable to instruct a programmable processor to store data to a recording/reproducing medium, said program having the steps of:

holding/preserving theoretical models of correlation functions of fluctuations for a plurality of real time-sequence data;

acquiring sampling data by sampling a local portion of the real time-sequence data;

generating a real correlation function based on the sampling data;

selecting one of the theoretical models ~~of the holding/preserving step~~ that best matches the real correlation function ~~generated in the generating step~~, and judging one of the states regarding the real time-sequence data; and

indicating a fluctuation of the real time-sequence data by using a relationship established between a ~~pair of a first~~ parameter and a second parameter ~~[[in]] of the selected one of the theoretical model[[s]] in the selection means;~~

wherein the theoretical model of the correlation function is generated based on the following:

~~the~~ real time-sequence data having an equilibrium point~~[[:]] that the~~ ~~equilibrium point~~ is provided ~~based on value and~~ by multiplying the first parameter ~~[[to]]~~ by a recent change value of the real time-sequence data; and

a value of the real time-sequence data after a time Δt that is provided
~~based on a value provided~~ by multiplying the second parameter $[[t_0]]$ by a difference
between a value of the real time-sequence data in a current time t and the equilibrium
point.